

**ABSTRACT OF THE DISCLOSURE**

5        A spray chamber valve control system for ensuring that coolant is sufficiently  
available at the intakes of pumps in a spray cooled environment regardless of the  
attitude, acceleration or deceleration of a spray chassis. The spray chamber valve  
control system includes a spray chassis with an interior portion for spray cooling  
electronic devices, a plurality of valves positioned within the inner corners of the spray  
10 chassis, and a control unit in communication with the valves for controlling the  
operation thereof. The control unit ensures that at least one valve is open at all times.  
The control unit also provides a recovery routine for when only one valve is open  
during a valve state change.